

**PERSONAL COMPUTER AUDIO INTERFACE DEVICE AND METHOD OF USING  
THE SAME**

**ABSTRACT**

5       An interface system for interconnecting a personal computer to audio input ports of a  
home stereo system. An illustrative embodiment of the invention comprises impedance  
transformers for improving the impedance match between an audio output port of the PC and the  
higher impedance audio input ports of the stereo system. An elongated low voltage, low  
impedance cable has coupling devices at each end, the coupling devices being dimensioned and  
10       arranged to establish respective signal paths through the cable by electrically interconnecting the  
audio output port and the corresponding low impedance windings of the first and second  
impedance transformers. The illustrative interface system further includes additional coupling  
devices dimensioned and arranged to accommodate electrical connections between  
corresponding high impedance windings of the first and second impedance transformers and the  
15       first and second audio input ports of the home stereo system.